

DELAWARE RIVER BASIN

01422389 COULTER BROOK NEAR BOVINA CENTER, NY

LOCATION.--Lat 42°14'19", long 74°44'11", Delaware County, Hydrologic Unit 02040101, on right bank downstream from culvert on Seedorf Road, 2.5 mi upstream from mouth, and 2.5 mi southeast of Bovina Center.

DRAINAGE AREA.--0.76 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30 ft³/s, Sept. 19, 2004; maximum gage height, 1.77 ft, Mar. 4, 2003 (ice jam), Sept. 19, 2004 (outside gage height was 2.12 ft, from crest-stage gage); minimum discharge, 0.01 ft³/s, part or all of each day Sept. 6, 14-15, 18-22, 25-27, Oct. 1-8, 1998; minimum gage height, 0.32 ft, Sept. 18, 19, 20, Oct. 6, 7, 1998.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Oct 29	0815	16	1.62		Dec 24	1245	19	1.65
	Nov 20	0300	20	1.67		Sep 19	0030	*30	a*1.77

a Recorded; outside gage height was 2.12 ft, from crest-stage gage.

Minimum discharge, 0.09 ft³/s, July 10, 11, 12; minimum gage height, 0.76 ft, July 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	5.1	5.2	2.0	0.28	0.19	6.3	2.0	1.3	0.15	4.0	0.35
2	2.0	3.3	4.3	1.8	0.27	0.31	6.8	2.1	1.2	0.15	3.1	0.31
3	1.7	2.5	3.5	e1.8	0.28	0.38	5.5	2.6	1.2	0.14	2.4	0.28
4	2.1	1.9	2.9	e2.5	0.25	0.52	4.3	2.7	1.1	0.13	2.0	0.26
5	1.9	2.0	2.6	e3.2	0.25	1.8	3.4	2.7	1.0	0.13	2.2	0.25
6	1.9	1.7	2.2	e3.0	0.29	8.7	2.8	2.3	0.94	0.12	1.6	0.23
7	1.8	1.5	1.4	2.7	0.30	8.0	2.4	2.1	0.86	0.12	1.3	0.21
8	1.6	1.3	1.2	2.2	0.27	5.5	2.0	1.9	0.74	0.11	0.97	0.28
9	1.5	1.2	1.0	1.8	0.28	3.6	1.8	1.7	0.67	0.11	0.72	0.41
10	1.5	1.1	0.96	1.6	0.24	2.6	1.6	1.7	0.61	0.10	0.61	0.33
11	1.3	1.1	4.7	1.3	0.23	2.1	1.4	1.6	0.52	0.09	0.52	0.27
12	1.2	1.0	6.3	1.1	0.23	1.7	1.4	1.5	0.45	0.10	1.4	0.25
13	1.2	1.1	4.9	0.99	0.22	1.4	2.6	1.4	0.40	0.15	5.6	0.23
14	1.0	0.99	3.8	0.94	0.22	1.6	4.3	1.3	0.36	0.18	5.2	0.22
15	1.8	0.99	2.8	0.80	0.22	1.0	4.2	1.4	0.32	0.18	3.7	0.21
16	1.7	0.99	2.2	0.72	e0.22	0.94	3.5	1.3	0.28	0.20	5.9	0.20
17	1.7	0.93	3.0	0.62	e0.22	0.86	2.9	1.2	0.28	0.18	5.8	1.4
18	1.7	0.87	2.7	0.56	e0.22	0.78	2.7	1.4	0.27	0.15	4.2	17
19	1.9	3.4	2.3	0.52	e0.23	0.69	2.5	1.3	0.24	0.20	2.7	17
20	1.8	15	1.8	0.48	0.24	0.85	2.3	1.3	0.23	0.17	1.8	7.6
21	1.8	12	1.6	0.44	0.22	0.77	2.0	1.3	0.20	0.14	2.3	5.1
22	1.8	9.0	1.4	0.42	0.20	0.85	1.8	1.2	0.20	0.12	1.7	3.4
23	1.7	6.3	1.4	0.40	0.20	1.3	2.0	1.2	0.19	0.28	1.5	2.3
24	1.5	5.0	13	0.40	0.19	0.64	1.8	1.1	0.17	0.21	1.2	1.7
25	1.4	4.1	e14	0.41	0.19	0.78	1.8	1.0	0.17	0.18	1.0	1.4
26	1.4	2.7	e9.0	0.38	0.21	2.3	2.9	1.1	0.26	0.17	0.82	1.3
27	4.9	2.2	e6.4	0.34	0.19	9.6	3.3	1.1	0.17	4.7	0.71	1.1
28	8.4	3.3	4.9	0.32	0.19	12	3.1	1.2	0.16	8.0	0.64	2.3
29	e10	6.8	3.7	0.32	0.18	9.5	2.6	1.2	0.16	8.6	0.54	2.3
30	e6.0	6.5	3.2	0.32	---	7.3	2.3	1.2	0.15	5.3	0.47	2.4
31	e5.0	---	2.6	0.31	---	6.1	---	1.2	---	3.6	0.44	---
TOTAL	77.4	105.87	120.96	34.69	6.73	94.66	88.3	48.3	14.80	34.16	67.04	70.59
MEAN	2.50	3.53	3.90	1.12	0.23	3.05	2.94	1.56	0.49	1.10	2.16	2.35
MAX	10	15	14	3.2	0.30	12	6.8	2.7	1.3	8.6	5.9	17
MIN	1.0	0.87	0.96	0.31	0.18	0.19	1.4	1.0	0.15	0.09	0.44	0.20
CFSM	3.29	4.64	5.13	1.47	0.31	4.02	3.87	2.05	0.65	1.45	2.85	3.10
IN.	3.79	5.18	5.92	1.70	0.33	4.63	4.32	2.36	0.72	1.67	3.28	3.46

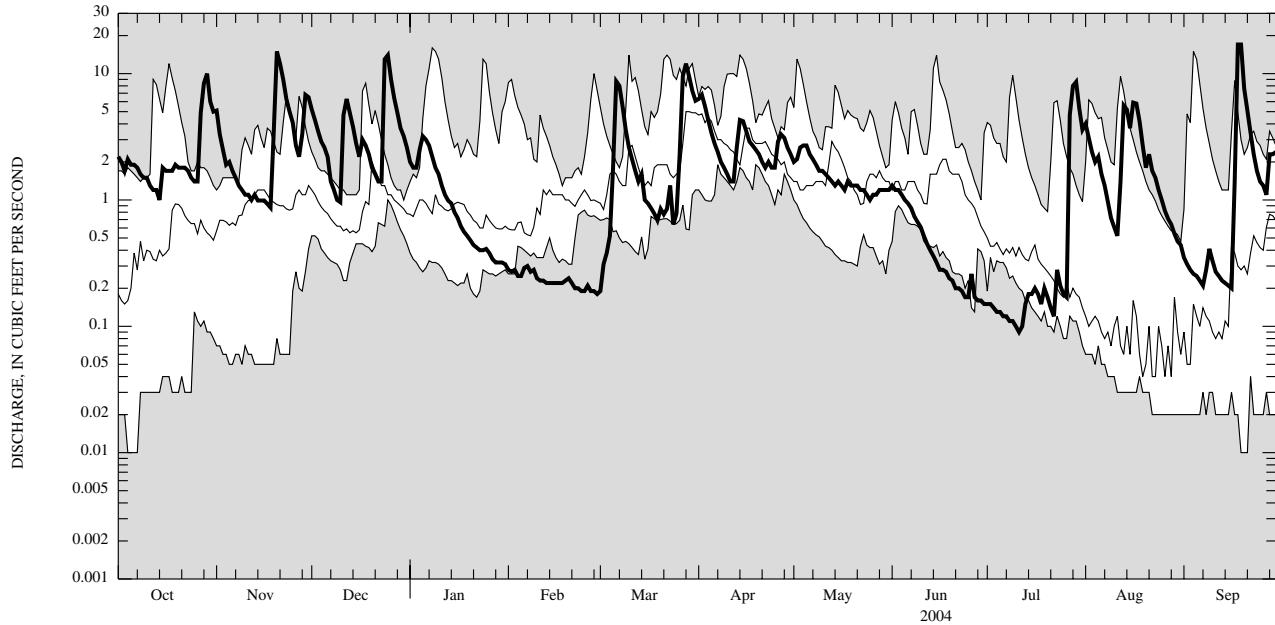
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	1.22	1.46	1.55	1.48	1.21	2.81	3.32	1.96	1.49	0.81	0.79	1.12
MAX	3.35	3.53	3.90	3.74	2.99	4.62	5.06	3.50	2.85	2.10	2.80	3.08
(WY)	(2003)	(2004)	(2004)	(1998)	(2002)	(2003)	(2001)	(2002)	(1998)	(1998)	(2003)	(2003)
MIN	0.09	0.10	0.65	0.43	0.23	0.72	2.88	0.57	0.48	0.19	0.06	0.02
(WY)	(2002)	(2002)	(1999)	(2001)	(2004)	(2001)	(2003)	(2001)	(1999)	(2002)	(2001)	(1998)

01422389 COULTER BROOK NEAR BOVINA CENTER, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1998 - 2004
ANNUAL TOTAL	966.45	763.50	
ANNUAL MEAN	2.65	2.09	1.60
HIGHEST ANNUAL MEAN			2.41
LOWEST ANNUAL MEAN			1.02
HIGHEST DAILY MEAN	15	Sep 4	17
LOWEST DAILY MEAN	0.26	Feb 1	0.09
ANNUAL SEVEN-DAY MINIMUM	0.29	Jan 28	0.11
ANNUAL RUNOFF (CFSM)	3.48		2.74
ANNUAL RUNOFF (INCHES)	47.31		37.37
10 PERCENT EXCEEDS	6.0		5.1
50 PERCENT EXCEEDS	1.7		1.3
90 PERCENT EXCEEDS	0.46		0.20
			2.11
			28.64
			3.9
			0.93
			0.09

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.